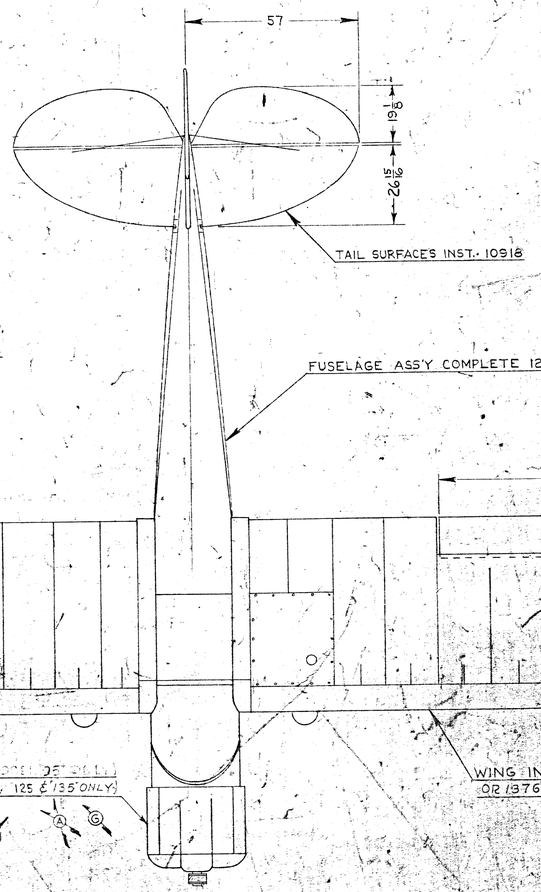
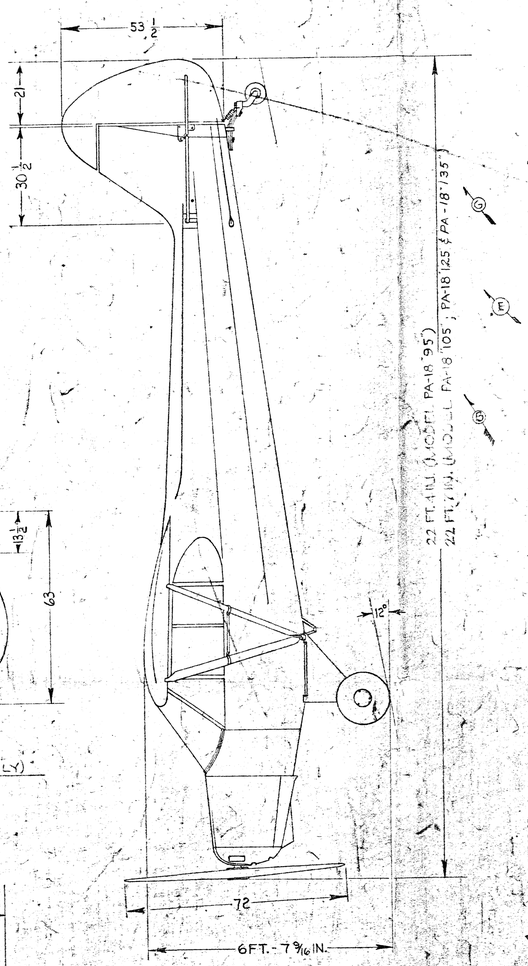
WING AREA (TOTAL)	178.5 SQ. FT.
AILERON AREA (TOTAL)	18.8 SQ. FT.
ELEVATOR AREA (TOTAL)	11.68 SQ. FT. *
STABILIZER AREA (TOTAL)	15.10 SQ. FT. *
FIN AREA	4.66 SQ. FT.
RUDDER AREA	6.76 SQ. FT.
PROPELLER CLEARANCE (WITH AIRPLANE LEVEL)	10½ IN.
AILERON TRAVEL	18° ± 2° UP & 18° ± 2° DOWN
RUDDER TRAVEL	20° ± 2° RIGHT & 20° ± 2° LEFT (MODEL PA-18 '95", PA-18 '105" PA-18 '125 ONLY)
	25° ± 2° RIGHT & 25 ± 2° LEFT (MODEL PA-18 '135 ONLY)
STABILIZER TRAVEL	2½° ± ½° UP & 4° ± ½° DOWN
ELEVATOR TRAVEL	25° ± 2° UP & 15° ± 2° DOWN

NOTES:
1. ELEVATOR TRAVEL IS RELATIVE TO HORIZONTAL REFERENCE LINE.
2. AILERON TRAVEL IS RELATIVE TO TRAILING EDGE OF WING.
3. RUDDER TRAVEL IS RELATIVE TO ℄ OF AIRPLANE.
4. STABILIZER TRAVEL IS RELATIVE TO HORIZONTAL REFERENCE LINE.

* AREAS NOTED WITH ASTERISK ARE FOR MODEL PA-18 '135 ONLY. AREAS & FLAP TRAVEL FOR MODEL '105', '125' & '135' ONLY ARE AS FOLLOWS:
- STABILIZER AREA (TOTAL) 15.9 SQ. FT.
- ELEVATOR AREA (TOTAL) 14.1 SQ. FT.
- FLAP AREA (TOTAL) 11.5 SQ. FT.
- FLAP TRAVEL 50° ± 2° DOWN


57
19⅛
29½
TAIL SURFACES INST. 10918
FUSELAGE ASS'Y COMPLETE 12545
102⅛
63
FOR MARKING DETAILS SEE DWG 12059
POWER PLANT 12242 (MODEL '95' ONLY) OR 12447 (MODEL '105', '125 & '135' ONLY)
WING INST 12548 (MODEL '95', '105' & '125' ONLY) OR 13766 (MODEL '135' ONLY)
SPAN 35 FT. - 2½ IN.
RIGGING DIAGRAM 12322
LANDING GEAR INST. 10534
* FLOAT INSTALLATION (MODEL 'S' 2000 FLOATS) PA-18 '125' & PA-18 '135' ONLY (SEE NOTES 5 & 7) SEE EDO DWG 14332
72½



NOTES:
5. WHEN FLOATS ARE INSTALLED USE SPECIAL STAINLESS STEEL CONTROL CABLES AS NOTED IN BILL OF MATERIAL.
6. FOR SPECIAL WINTERIZATION CONVERSION (MODEL PA-18 '125' ONLY)
   1. INSTALL COVER 14073 OVER OIL RADIATOR IN NOSE COWL.
   2. INSTALL TAG 14090 IN COCKPIT (IN FULL VIEW OF PILOT)
   3. INCLUDE "WINTERIZATION SUPPLEMENT, PIPER REPORT NO. 790, WITH AIRPLANE FLIGHT MANUAL.
7. WHEN EDO MODEL "S"-2000 FLOATS ARE INSTALLED ON THE MODEL PA-18 '125', POWER PLANT MODIFICATION PER DWG. "14185" IS REQUIRED.

* OPTIONAL EQUIPMENT

PART NO.	No. REQ.	NAME / MATERIAL
10870-17	1	ELEVATOR CABLE (TO LOWER HORN) (SEE NOTE 5)
*14185	1	POWER PLANT (SEE NOTE 7)
*	1	FLOAT INST. EDO AIRCRAFT 14290 (MODEL PA-18 '125 & PA-18 '135 ONLY)
14090	1	TAG (SEE NOTE 6) A
14073	1	COVER (SEE NOTE 6)
12059	1	MARKING DETAILS
13766	1	WING INST. (MODEL PA-18 '135 ONLY)
40123-89	1	BUNGEE CABLE (UPPER) (MODEL PA-18 '105' SEAPLANE ONLY)
40123-92	1	BUNGEE CABLE (LOWER FRONT) (MODEL PA-18 '105' SEAPLANE ONLY)
40123-81	1	BUNGEE CABLE (UPPER)
40123-88	1	BUNGEE CABLE (LOWER REAR)
10865-5	2	RUDDER CABLE
10870-16	1	ELEVATOR CABLE (TO UPPER HORN)
12745-3	1	ELEVATOR CABLE (TO LOWER HORN)
41671-19	1	STABILIZER ADJUSTMENT CABLE
14300-28	2	AILERON CABLE (TO UPPER HORN)
12794-9	1	FLAP CABLE (LEVER TO CLEVIS)
14300-27	2	FLAP CABLE
11694-5	1	FLAP RETURN CABLE (USED ON RIGHT WING WITHOUT FUEL TANK)
11694-6	1	FLAP RETURN CABLE (USED ON RIGHT WING WITH FUEL TANK)
11694-4	1	FLAP RETURN CABLE
14300-19	2	AILERON CABLE (TO LOWER HORN)
*	1	FLOAT INST. EDO AIRCRAFT 925-2184 (MODEL PA-18 '105', '125 & '135 ONLY)
12447 12442	1	POWER PLANT (MODEL '95', '105', '125 & '135 ONLY) / POWER PLANT (MODEL '95' ONLY)
12545	1	FUSELAGE ASS'Y COMPLETE
12322	REF	RIGGING DIAGRAM
12544	1	WING INST. (MODEL PA-18 '95', '105' & '125' ONLY)
10916	1	TAIL SURFACES INST.
10534	1	LANDING GEAR INST.

LET.	REVISION	DATE
K	105'S 14090 & NOTE ADDED	5-5-67
J	ADDED NOTE 7 PART 105'S	2-24-67
H	NOTE 6 ADDED, PART 105'S	11-30-66
G	NOTE 6 ADDED, PART 105'S	11-15-66
F	NOTE 5 ADDED, PART 105'S	10-31-66
E	NOTE 5 ADDED, PART 105'S	10-26-66
D	MODEL 125 ONLY ADDED	8-10-66
C	4167-19 AS * ITEM	8-1-66
B	10865-5 WAS 10865-3 & 41671-19 WAS 41671-17	5-31-66
A	MODEL 135 ADDED	5-16-66

MODEL PER PLANE, NEXT ASSEMBLY, SUPERSEDES, SUP. BY:

THIS DRAWING IS THE PROPERTY OF THE PIPER AIRCRAFT CORP. AND ITS POSSESSION BY UNAUTHORIZED PERSONS SHALL NOT BE CONSTRUED AS PERMISSION TO REPRODUCE OR SELL IN WHOLE OR IN PART ANY DEVICES SHOWN THEREON.

PIPER AIRCRAFT CORP.
LOCK HAVEN, PENNA.

SCALE 3/16 IN. = 1 FT. | TOTAL WT. - LBS.
FINISH—PIPER SPECIFICATION #10
MANUFACTURING PRACTICES—PIPER SPECIFICATION #9

PA-18 COMPLETE AIRPLANE

DRAFTSMAN | CHECKER | STANDARDS

12553

MAY 20 1968